ENVIRONMENTAL CHEMISTS

Date of Report: 11/02/98 Date Received: 10/29/98

Project: Metro KC Comp, PO# M77577 Date Samples Extracted: 10/29/98 Date Extracts Analyzed: 10/29/98

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR CHROMIUM, COPPER, NICKEL, ZINC USING METHOD 6010

Samples Processed Using Method 3005A

Results Reported as mg/L (ppm)

Sample ID	<u>c</u>	Chromium	Copper	Nickel	Zinc
WARRER		0.00			-0.05
M77577		0.92	0.42	0.91	< 0.05
Method Blank		< 0.05	< 0.05	< 0.05	< 0.05

ENVIRONMENTAL CHEMISTS

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Project: Metro KC Comp, PO# M77577

QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 810074-01 (Duplicate)

				Relative		
	Reporting	Sample	Duplicat	te Percent	Acceptance	
Analyte	Units	Result	Result	Difference	Criteria	
Chromium	mg/L (ppm)	0.76	0.76	0.0	0-20	Ξ.
Copper	mg/L (ppm)	0.64	0.58	10	0-20	
Nickel	mg/L (ppm)	0.66	0.63	5	0-20	
Zinc	mg/L (ppm)	0.17	0.18	6	0-20	

Laboratory Code: 810074-01 (Matrix Spike)

	Reporting	Spike	Sample	% Recov	ery % Recov	ery Acceptanc	e
Analyte	Units	Level	Result	MS	MSD	Criteria	RPD
Chromium	mg/L (ppm)	5	0.76	105	104	80-120	1
Copper	mg/L (ppm)	5	0.64	87	88	80-120	1
Nickel	mg/L (ppm)	10	0.66	104	105	80-120	1
Zinc	mg/L (ppm)	5	0.17	113	115	80-120	2

Laboratory Code: Laboratory Control Sample

	Reporting	Spike	% Recover	ry 🧠 % Recover	ry Acceptance		
Analyte	Units	Level	LCS	LCSD	Criteria	RI	PD
Chromium	mg/L (ppm)	5	106	106	80-120)
Copper	mg/L (ppm)	5	101	100	80-120		1
Nickel	mg/L (ppm)	10	108	108	80-120	()
Zinc	mg/L (ppm)	5	111	111	80-120	()

FRIEDMAN & BRUYA, INC. 3012 16th Avenue West Seattle, WA 98119-2029 (206) 285-8282

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MM AIS 10/29/98 12:05 PM

SAMPLE CHAIN OF CUSTODY

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City, State, Zip San	He und	28137					
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FORMS/COC

10/22/98

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S.

3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

November 2, 1998

DUPLICATE COPY

INVOICE #98ACU1102-2

Accounts Payable Alaskan Copper Works 628 South Hanford St. Seattle, WA 98134

RE: Project Metro KC Comp, PO# M77577: Results of testing requested by Gerry Thompson for material submitted on October 29, 1998.

1 water sample analyzed for	
Chromium, Copper, Nickel, and Zinc	
using Method 6010 @ \$65 per sample	\$ 65.00
100% rush surcharge for 24 hour turnaround	<u>65.00</u>
불로 가지 하루 기류를 받게 걸칠 글까 되는 맛도 하를 냈다.	
Amount Due	\$ 130.00

FEDERAL TAX ID (b) (6)

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Jensen, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S.

3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

November 2, 1998

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford St. Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on October 29, 1998 from your Metro KC Comp, PO# M77577 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Martiel Marti Project Manager

Enclosures ACU1102R.DOC